

DERWENT-ACC-NO: 1988-099152

DERWENT-WEEK: 198815

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TITLE: Ultrasonic determ. of degree of branching and crosslinking of polymer - esp. in emulsion or suspension, is useful for monitoring polymerisation, e.g. in SBR mfr.

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DD <u>251626</u> A	November 18, 1987	N/A	006	N/A

APPLICATION-DATA:

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DD 251626A	N/A	1986DD-0293110	July 30, 1986

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ABSTRACTED-PUB-NO: DD 251626A

BASIC-ABSTRACT:

Determn. of the deg. of branching and crosslinking of polymers in emulsion or suspension involves determining the speed of propagation of ultrasound in the emulsion or suspension and comparing this with the speed for linear polymers produced under the same conditions.

Pref. the speed is monitored during polymer mfr. and the difference compared with the linear polymer produced at the same conversion is determined.

USE/ADVANTAGE - The deg. of branching and crosslinking can be determined during or shortly after polymer mfr., allowing regulation of the polymerisation process and hence the required end prod. quality without narrow limits.

CHOSEN-DRAWING: Dwg.0/2

TITLE-TERMS: ULTRASONIC DETERMINE DEGREE BRANCH CROSSLINK
POLYMER EMULSION
SUSPENSION USEFUL MONITOR POLYMERISE SBR MANUFACTURE

ADDL-INDEXING-TERMS:
POLYSTYRENE POLYBUTADIENE RUBBER

DERWENT-CLASS: A12 A13 S02 S03

CPI-CODES: A07-B; A09-C; A10-B03; A10-B05;

EPI-CODES: S02-E01; S03-E08;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0474U; 1169U ; 1729U ; 5006U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0007 0008 0009 0037 0206 0224 0043 0106 0229 0306 3159 1095 2020
2033 2066 2071 2105 2106 2122 2276 2411 2504 2578 2580 2624

Multipunch Codes: 014 03- 030 031 032 034 055 056 06- 07- 075 09& 09- 117 122
15& 231 264 266 267 27& 271 297 318 324 397 425 436 44& 473 546 551 560 562
575
583 584 679 691 699

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1988-044497

Non-CPI Secondary Accession Numbers: N1988-075102